

What is claimed is:

1           1. A computer implemented method for dynamically rendering data in a markup  
2 language, the method comprising:

3           identifying a symbol in the data in the markup language, the symbol indicating a  
4           query of a data set;

5           accessing the data set in order to generate a resolution to the query; and

6           rendering the resolution to the query as a part of the markup language, according  
7           to at least one rule associated with the markup language.

1           2. The method of claim 1, wherein:

2           the symbol comprises a delimited token.

1           3. The method of claim 1 wherein:

2           the symbol is located within the data in the markup language such that the query  
3           is associated with a markup language tag.

1           4. The method of claim 3 wherein:

2           the markup language comprises Hyper Text Markup Language.

1           5. The method of claim 3 wherein rendering further comprises:

2           rendering the resolution of the query according to at least one rule associated with  
3           the markup language tag with which the query is associated.

1           6. The method of claim 1 wherein:

2           the data set comprises a set of at least one document in a hierarchically structured  
3           format.

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1 7. The method of claim 6 wherein:

2 the hierarchically structured format comprises Extensible Markup Language.

1 8. The method of claim 7 wherein:

2 the symbol conforms an Extensible Markup Language standard concerning  
3 queries.

1 9. The method of claim 1 wherein:

2 the data set comprises a database.

1 10. The method of claim 1 wherein:

2 rendering is performed by a browser.

1 11. The method of claim 1 wherein:

2 rendering is performed by software running on a hand held computing device.

1 12. The method of claim 1 further comprising:

2 generating a resolution to the query by retrieving a node set from a set of  
3 documents in Extensible Markup Language; and  
4 rendering each member of the node set.

1 13. The method of claim 1 wherein:

2 the query contains at least one variable.

1 14. The method of claim 13 wherein:

2 each variable contained in the query comprises a delimited token.

1 15. The method of claim 13 wherein:

at least one variable contained in the query is bound to a specific node in  
hierarchically structured data.

16. The method of claim 15 wherein:

the hierarchically structured data comprises a set of at least one document in  
Extensible Markup Language.

17. The method of claim 1 wherein rendering the resolution further comprises:  
updating the data set.

18. The method of claim 17 wherein updating the data set further comprises:  
writing to a set of at least one document in Extensible Markup Language.

19. A computer program product for dynamically rendering data in a markup  
language, the computer program product comprising:  
program code for identifying a symbol in the data in the markup language, the  
symbol indicating a query of a data set;  
program code accessing the data set in order to generate a resolution to the query;  
program code for rendering the resolution to the query as a part of the markup  
language, according to at least one rule associated with the markup  
language; and  
a computer readable medium on which the program codes are stored.

20. The computer program product of claim 19 further comprising:



10 markup language, the rendering module being coupled to the data access  
11 module.

1 25. The system of claim 24 wherein:  
2 the rendering module is further for rendering the resolution of the query according  
3 to at least one rule associated with a markup language tag with which the  
4 query is associated.

1 26. The system of claim 24 further comprising:  
2 a resolution generation module, for generating a resolution to the query by  
3 retrieving a node set from a set of documents in Extensible Markup  
4 Language, the resolution generation module being coupled to the data  
5 access module; and  
6 the rendering module is further for rendering each member of the node set.

1 27. The system of claim 24 further comprising:  
2 an updating module, for updating the data set, the updating module being coupled  
3 to the rendering module.

1 28. The system of claim 27 wherein:  
2 the updating module is further for updating the data set by writing to a set of at  
3 least one document in Extensible Markup Language.

1 29. The method of claim 3 wherein:  
2 the markup language comprises Wireless Markup Language.